

In the Claims

Rewrite claims 2-15 to read as follows:

2. (amended) The method as claimed in claim 1, wherein the active ingredient of the immunogenic determinant predominantly comprises one or more shock protein/antigenic peptide fragment complexes.

3. (amended) The method as claimed in claim 1, wherein the stress-inducing stimulus is heat.

4. (amended) The method as claimed in claim 3, wherein the pathogenic organism is heated to from 5 to 8°C above the normal temperature for cultivation of the organism.

5. (amended) The method as claimed in claim 1, wherein the pathogenic organism is an extra-cellular prokaryotic or protozoan species.

6. (amended) The method as claimed in claim 1, wherein the pathogenic organism is a bacterial, protozoal or fungal species.

7. (amended) The method as claimed in claim 1, wherein the immunogenic determinant is a mixture of heat shock protein/antigenic peptide fragment complexes.

8. (amended) The method as claimed in claim 1, wherein the extra-cellular pathogenic organism has been modified to induce or enhance the induction of the synthesis of stress proteins.

9. (amended) The method as claimed in claim 1, wherein the method is carried out in vitro.

10. (amended) A vaccine composition comprising an immunogenic determinant, wherein the immunogenic determinant comprises one or more complexes between a heat shock

protein and an antigenic peptide fragment derived from the heat treatment of an extra-cellular pathogenic organism.

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11. (amended) A vaccine composition produced by the method of claim 1.
12. (amended) A vaccine composition as claimed in claim 10, wherein the composition comprises an adjuvant for the immunogenic determinant.
13. (amended) The vaccine composition as claimed in claim 10, which is an aqueous composition.
14. (amended) A method for treating an animal with a vaccine comprising administering a pharmaceutically acceptable quantity of a vaccine composition as claimed in claim 10, sufficient to elicit an immune response in the animal.
15. (amended) A method for eliciting an immune response from an animal infection by an intra-cellular pathogenic organism the method comprising:
administering a vaccine containing an immunogenic determinant, the immunogenic determinant being a stress protein/antigenic peptide fragment complex produced in situ from the intra-cellular pathogen, the synthesis of the complex being induced by external stress stimuli or by genetic modification of the pathogen so as to render its synthesis constitutive.